

AMENDMENTS TO THE CLAIMS

CLAIM 1 (CURRENTLY AMENDED): A bicycle user information apparatus comprising:
an information receiver that receives information corresponding to the bicycle user through
an Internet; and

an administration control unit that manages the information received through the information
receiver and enables external access to managed information in response to access information
provided by a user;

wherein the administration control unit comprises:

a user registration unit that registers identifying information corresponding to a
bicycle user to establish the bicycle user as a registered bicycle user;

an information delivery unit that delivers information to a requesting user; and

a rank processing unit that receives cycling performance data from the registered
bicycle user and calculates ranking information of the registered bicycle user from cycling
performance data from the registered bicycle user and from cycling performance data from at
least one additional registered bicycle user;

wherein the rank processing unit processes and provides ranking information of the
registered bicycle user relative to the at least one additional registered bicycle user from
cycling history data;

wherein the information delivery unit is structured to provide the ranking information
of the registered bicycle user relative to the at least one additional registered bicycle user to
the registered bicycle user; and

wherein the information delivery unit provides the ranking information to the
registered bicycle user automatically in response to a request from the registered bicycle user.

CLAIM 2 (ORIGINAL): The apparatus according to claim 1 wherein the information
receiver receives information from a cycle computer.

CLAIM 3 (ORIGINAL): The apparatus according to claim 1 wherein the information
receiver receives information from a personal computer.

CLAIM 4 (ORIGINAL): The apparatus according to claim 1 wherein the managed information comprises at least one of geographical information, cycling condition information and physical information of the bicycle user.

CLAIM 5 (CANCELED).

CLAIM 6 (ORIGINAL): The apparatus according to claim 1 wherein the administration control unit includes a location processing unit that processes information corresponding to a current location of a bicycle user when using the bicycle.

CLAIM 7 (ORIGINAL): The apparatus according to claim 1 wherein the administration control unit includes a mail server that processes mail received through the information receiver.

CLAIM 8 (ORIGINAL): The apparatus according to claim 1 wherein the administration control unit includes a training plan unit that develops a training plan for a bicycle user.

CLAIM 9 (ORIGINAL): The apparatus according to claim 8 wherein the training plan unit develops the training plan based on rider history data.

CLAIM 10 (CANCELED).

CLAIM 11 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein the administration control unit includes a location processing unit that processes information corresponding to a current location of the at least one additional registered bicycle user when using a bicycle.

CLAIM 12 (PREVIOUSLY PRESENTED): The apparatus according to claim 11 wherein the information delivery unit communicates information corresponding to the at least one additional registered bicycle user to the registered bicycle user through the Internet.

CLAIM 13 (PREVIOUSLY PRESENTED): The apparatus according to claim 12 wherein the information delivery unit communicates the information corresponding to the at least one additional registered bicycle user to the registered bicycle user only when the current location of the

at least one additional registered bicycle user is within a predetermined geographical range of a current location of the registered bicycle user.

CLAIM 14 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein the administration control unit manages geographical information corresponding to a current location of the at least one additional registered bicycle user when using a bicycle, and wherein the information delivery unit communicates the geographical information to the registered bicycle user.

CLAIM 15 (PREVIOUSLY PRESENTED): The apparatus according to claim 14 wherein the information delivery unit communicates the geographical information to the registered bicycle user through the Internet.

CLAIMS 16-34 (CANCELED).

CLAIM 35 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein the cycling performance data comprises cycling distance.

CLAIM 36 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein the cycling performance data comprises cycling time.

CLAIM 37 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 further comprising a cycle computer that receives sensor signals from sensors installed on a bicycle, wherein the information delivery unit provides the ranking information to the registered bicycle user through the cycle computer.

CLAIM 38 (PREVIOUSLY PRESENTED): The apparatus according to claim 37 wherein the cycle computer is structured to be mounted to a bicycle.

CLAIM 39 (CANCELED).

CLAIM 40 (CURRENTLY AMENDED): The apparatus according to claim 39 1 wherein the ranking information comprises cycling distance ranking information.

CLAIM 41 (CURRENTLY AMENDED): The apparatus according to claim 39 1 wherein the ranking information comprises cycling time ranking information.

CLAIM 42 (PREVIOUSLY PRESENTED): The apparatus according to claim 1 wherein the rank processing unit calculates the ranking information of the registered bicycle user relative to the at least one additional registered bicycle user on an item-by-item basis and stores the ranking information in a ranking database so that the hierarchical rank of the registered bicycle user relative to the at least one additional registered bicycle user is available in storage for communication to the registered bicycle user.

CLAIM 43 (PREVIOUSLY PRESENTED): In a bicycle user information system that comprises an administration control unit with a user registration unit that registers identifying information corresponding to a bicycle user to establish the bicycle user as a registered bicycle user, an information processing unit that receives cycling data through an Internet from the registered bicycle user and from at least one additional registered bicycle user, and an information delivery unit that delivers information to a requesting user through the Internet, a method of receiving bicycle user information comprising the steps of:

communicating through the Internet, from the registered bicycle user from a cycle computer supported by a bicycle that is structured to physically travel along actual outdoor terrain, access information directed to the administration control unit; and

receiving through the Internet, by the registered bicycle user from the cycle computer, information from the at least one additional registered bicycle user in a self-serve manner.

CLAIM 44 (PREVIOUSLY PRESENTED): The method according to claim 43 wherein the information from the at least one additional registered bicycle user is communicated to the registered bicycle user automatically from the administration control unit in response to a request from the registered bicycle user.

CLAIM 45 (PREVIOUSLY PRESENTED): The apparatus according to claim 43 wherein the information from the at least one additional registered bicycle user comprises a current location of a bicycle of the at least one additional registered bicycle user.

CLAIM 46 (PREVIOUSLY PRESENTED): The apparatus according to claim 43 wherein the information from the at least one additional registered bicycle user comprises cycling distance.

CLAIM 47 (PREVIOUSLY PRESENTED): The apparatus according to claim 43 wherein the information from the at least one additional registered bicycle user comprises cycling time.

CLAIM 48 (PREVIOUSLY PRESENTED): The apparatus according to claim 43 wherein the information from the at least one additional registered bicycle user comprises ranking information of the registered bicycle user relative to the at least one additional registered bicycle.

CLAIM 49 (PREVIOUSLY PRESENTED): The apparatus according to claim 48 wherein the ranking information comprises cycling distance ranking information.

CLAIM 50 (PREVIOUSLY PRESENTED): The apparatus according to claim 48 wherein the ranking information comprises cycling time ranking information.